PREOBRAZHENSKIY, V.A., starshiy nauchnyy sotrudnik

SF-1 self-propelled brush-type ridger. Torf.prom. 35 no.2:26 '58. (MIRA 11:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut torfyanoy promyshlennosti.
(Peat machinery)

PREOBRAJENSKI, V.S. [Preobrazhenskiy, V.S.]

Geographical and engineering orientation of the complex geographical and physical studies. Analele geol geogr 17 no.2:111-115 Ap-Je '63.

PREOBRAZHENSKIY, V.S.

Conference on the atlases of the natural conditions and resources of the economic regions of the U.S.S.R. Izv. AN SSSR. Ser. geog. no.3:144-145 My-Je '63. (MIRA 16:8)
(Geography, Economic--Maps)

PREOBRAZHENSKIY, V.S.; POMUS, M.I.

Reference atlas of Irkutsk Province. Izv. AN SSSR. Ser. geog. no.4:143-147 Jl-Ag '63. (MIRA 16:8)
(Irkutsk Province—Economic geography—Maps)

KAMANIN, L.G., otv. red.; LIKHANOV, G.N., otv. red.; GERASIMOV, I.P., akademik, red. Prinimali uchastiye: ABRAMOV, L.S., red.; PREOBRAZHENSKIY, V.S., red.; PONUS, M.I., red.;

[Natural conditions and resources of the U.S.S.R.] Prirodnye usloviia i estestvennye resursy SSSR. Moskva, Izd-vo Nauka. Vol.8.[Central Siberia] Srednaia Sibir'. 1964. 479 p. (MIRA 17:9)

1. Akademiya nauk SSSR. Institut geografii.

PREOBRAZHENSKIY, V.S., otv. red.

[Problems of the geography of northern Transbaikalia] Voprosy geografii Zabaikal'skogo Severa. Moskva, Nauka, 1964. 141 p. (MIRA 17:12)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut geografii Sibiri i Dal'nego Vostoka. Chitinskaya laboratoriya.

PREOBRAZHENSKIY, V.S.; TIMOFEYEV, D.A.

Collections of studies on the nature of Transbaikalia. Izv. AN SSSR. Ser. geog. no.1:144-146 Ja-F '64. (MIRA 17:3)

PREOBRAZHENSKIY, V.S.

Symposium on the current problems of the physical geography of the U.S.S.R. Izv. AN SSSR. Ser. geog. no.5:18-21 S-O '64. (MIRA 17:11)

PREOBRAZHENSKIY, V.S.

Landform geography and recent tectonics. Zap. Zabaik. otd. Geog. ob-va SSSR no. 24:58-66 '64 (MIRA 19:1)

GELLER, S.Yu.; GERASIMOV, I.P.; KAMANIN, L.G.; KES', A.S.; KINITSYN, L.F.; MURZAYEV, E.M.; NITSHTAUT, M.I.; NEFED'YEVA, Ye.A.; NIKOL'SKAYA, V.V.; PREOBRAZHENSKIY, V.S.; RIKHTER, G.D.; ROSSOLIMO, L.L.; SIL'VESTROV, S.I.

David L'vovich Armand's 60th birthday (1905-). Izv. AN SSSR. Ser. geog. no.6:141-142 N-D '65. (MIRA 18:11)

MARINICH, A.M.; MESHCHERYAKOV, Yu.A.; ROZOV, N.N.; PREOBRAZHENSKIY, V.S.

60th birthday and 40th anniversary of the scientific activities of Academician Innokentii Petrovich Gerasimov, 1905- . Izv. AN SSSR. Ser. geog. no.6:133-139 N-D '65. (MIRA 18:11)

KORZHUYEV, S.S.; VITVITSKIY, G.N.; YEGOROV, O.V.; NAUMOV, S.N.; ZOL'NIKOV, V.G.; KARAVAYEV, M.N.; KACHURIN, S.P.; KOSMACHEV, K.P.; Prinimali uchastiye: KORONKEVICH, N.I.; D'YAKONOV, F.V.; GERASIMOV, I.P., akademik, red.; PREOBRAZHENSKIY, V.S., red.; RIKHTER, G.D., red.; ABRAMOV, L.S. red.; ARMAND, D.L., red.; GELLER, S.Yu., red.; ZONN, S.V., red.; DZERDZEYEVSKIY, B.L., red.; KOMAR, I.V., red.; LAVRENKO, Ye.M., red.; LEONT'YEV, N.F., red.; LETUNOV, P.A., red.; L'VOVICH, M.I., red.; MESHCHERYAKOV, Yu.A., red.; MINTS, A.A., red.; MURZAYEV, E.M., red.; NASIMOVICH, A.A., red.; POKSHISHEVSKIY, V.V., red.p POMUS, M.I., red.; ROZOV, N.N., red.; SOCHAVA, V.B., red.; FORMOZOV, A.N., red.; YANSHIN, A.L., red.

[Yakutia] IAkutiia. Moskva, Nauka, 1965. 464 p. (MIRA 18:8)

1. Akademiya nauk SSSR. Institut geografii. 2. Institut geografii AN SSSR (for Korzhuyev, Vitvitskiy). 3. Yakutskiy filial Sibirskogo otdeleniya AN SSSR (for Yegorov). 4. Moskovskiy oblastnoy pedagogicheskiy institut im. N.K.Krupskoy (for Naumov). 5. Pochvennyy muzey AN SSSR (for Zol'nikov). 6. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (for Karavayev). 7. *Proizvodstvennyy nauchno-issledovatel'skiy institut* stroitel'stva Gosstroya SSSR (for Kachurin). 8. Institut geografii Sibiri *i Dal'nego Vostoka* Sibirskogo otdeleniya AN SSSR (for Kosmachev).

GERASIMOV, I.P., akademik; PREOBRAZHENSKIY, V.S., otv. red.; FOMUS, M.I., otv. red.; SOCHAVA, V.B., otv. red.

[The cis-Baikal region and Transbaikalia] Predbaikal'e i Zabaikal'e. Moskva, Nauka, 1965. 491 p. (MIRA 18:8)

1. Akademiya nauk SSSR. Institut geografii. 2. Chlen-korrespondent AN SSSR (for Sochava).

YAKOBI, G.A.; AKHMETOV, I.I., inzh.; PREOBRAZHENSKIY, V.V., inzh.

New automatic program temperature regulator. Tekst.prom. 18 no.12:52-53 D '58. (MIRA 11:12)

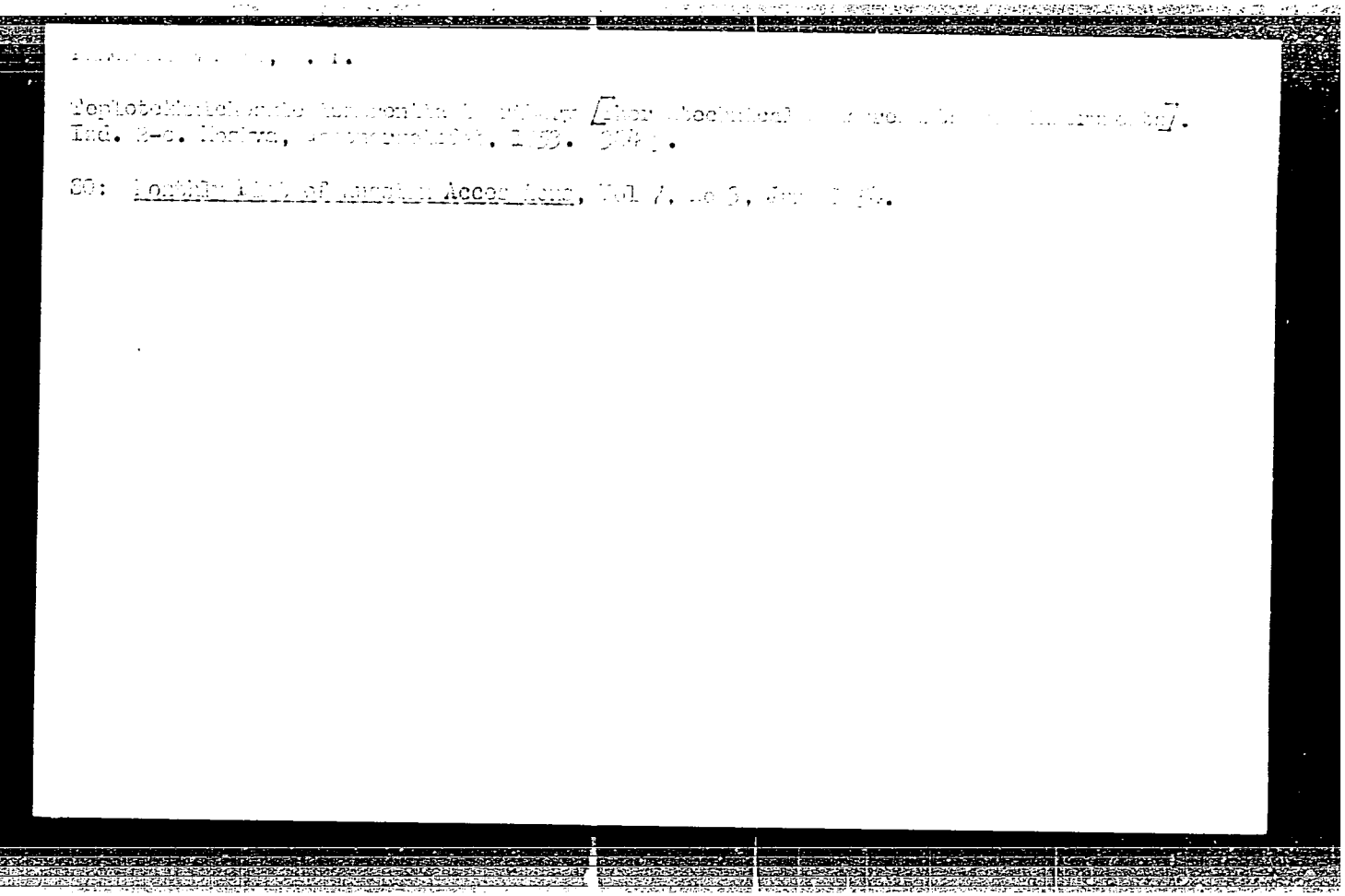
1. Zaveduyshchiy laboratoriey avtomatiki Leninabadskogo shelkovogo kombinata (for Yakobi).
(Temperature regulators) (Dyes and dyeing--Silk)
(Automatic control)

PEREPLAZHENSKIY, V. P.

Teplotekhnicheskiye Izmereniya I Pribory (Heating Engineering Measurements and Instruments) (Izd. 2. Perer. I Dop.)
Moskva, Gosenergoizdat, 1953.

384 p. Diagrs., Tables.
"Literatura": p. 381.

Su: M/S
662.1
1953



PREOBRAZHENSKIY, V.P.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 557 - I

Call No.: AF623806

BOOK

Author: PREOBRAZHENSKIY, V. P.

Full Title: MEASUREMENT OF HEAT AND MEASURING INSTRUMENTS. 2d ed., rev. and suppl.

Transliterated Title: Teplotekhnicheskiye izmereniya i pribory. Izd. vtor. pere. i dopol.

PUBLISHING DATA

Originating Agency: None

Publishing House: State Publishing House of Power Engineering Literature (GEI)

Date: 1953 No. pp.: 383 No. of copies: 20,000

Editorial Staff

Editors: Shumilovskiy, N. N. and Nikolayeva, S. A.

PURPOSE: To serve as a textbook in colleges where courses on steam power engineering, thermodynamics and control and measuring instruments are taught.

TEXT DATA

Coverage: Basic information on the underlying principles of the theory and construction of various instruments for measuring temperature - thermometers, pyrometers and electric resistance thermometers - is given in great detail. Instruments and apparatuses for quantitative

Teplotekhnicheskiye izmereniya i pribory. AID 557 - I
Izd. vtor. pere. i dopol.

measurement of heat, steam and liquids, for indication of pressure and vacuum, and for analysis of gases and smoke gases in particular are fully described. The extent, methods of detection, and of correction or elimination of **errors** in instrument construction and function are presented. The book is well illustrated. Numerous diagrams of minute details of various instruments and mathematical formulae and tables are provided throughout the text.

No. of References: 38 Russian, 1932-1953

Facilities: Moscow Power Engineering Institute im. Molotov. The book is approved by the Main Administration of Higher Education of the Ministry of Culture of the USSR.

2/2

PREOBRAZHENSKIY, V.P.; SHUMILOVSKIY, N.N., redaktor; NIKOLAYEV, S.A., redaktor; VORONIN, K.P., redaktor.

[Thermal engineering measurements and instruments] Teplotekhnicheskie izmereniia i pribory. Izd.2., perer.i dop. Moskva, Gos. energ. izd-vo, 1953. 383 p. (MLRA 7:6)
(Thermometers and thermometry) (Measuring instruments)

PREOBRAZHENSKIY, V.S.

[Diseases of the ear, nose and throat] Bolezni ukha, nosa i gorla. 5. izd., perer. i sokrashchennoe. Moskva, Medgiz, 1955. 333 p. (MLRA 8:7)

(Otorhinolaryngolgy)

PRIBORNASHENSKII, V. P.

Thermal engineering measurments and instruments; textbook. Izd. 2., perer. i dop. Moskva, Gos. energ. izd-vo, 1953. 383 p. (54-37904)

1. Thermometers and thermometry. 2. Thermoelectricity.

PREOBRAZHENSKIY, V.S.

The most recent and present tectonic movements of the Donets Ridge. Izv. AN SSSR. Ser.geog. no.3:58-61 My-Je '54. (MLRA 7:7)

1. Institut geografii Akademii nauk SSSR.
(Donets Ridge--Geology, Structural) (Geology, Structural--Donets Ridge)

USSR/ Geology - Topography

Card 1/1 Pub. 45 - 6/17

Authors : Preobrazhenskiy, V. S.

Title : Late and contemporary structural movements of the Donets ridge

Periodical : Izv. AN SSR. Ser. geog. 3, 58-61, May - Jun 1954

Abstract : An analysis is made of movement changing the geological structure of a ridge in the Donets region, which is traced to the Tertiary and Quarternary periods, by authorities cited, but is found to be in process at the present time. Eleven USSR references (1905-1951). Maps.

Institution: Geographic Institute of the Academy of Sciences of the USSR

Submitted: .....

PREOBRAZHENSKIY, V. S., ALAMPYEV, P. M.
POSTOVTSEV, M. I.

USSR (600)

GEOGRAPHY - CONGRESSES

Brief report. Izv. AN SSSR. Ser. geog no. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

ALEKSANDROVA, Tat'yana Davydovna; PREOBRAZHENSKIY, Vladimir Sergeyevich; MUKHINA, L.I., kand. geogr. nauk, otv. red.

[Landforms of the small depressions of mountain taigas] Landshafty malykh kotlovin gornoi taigi. Moskva, Izd-vo "Nauka," 1964. 86 p. (MIRA 17:4)

PREOBRAZHENSKIY, V.V.

Practices in dyeing silk fabrics. Tekst. prom. 20 no.11:70 N '60. (MIRA 13:12)

(Dyes and dyeing--Silk)

LEVENKO, V.I.; PREOBRAZHENSKIY, V.V., agronom po zashchite rasteniy

Protecting vegetables in greenhouses. Zashch. rast. ot vred. i bol. 7 no.11:28-29 N '62. (MIRA 16:7)

1. Zaveduyushchiy Buryatskim sortoispytatel'nym uchastkom zashchishchennogo grunta (for Levenko).

PREOBRAZHENSKIY, V.V.

The field slug. Zashch. rast. ot vred. i bol. 8 no.9:30 S '63.
(MIRA 16:10)

1. Buryatskiy sel'skokhozyaystvennyy institut, Ulan-Ude.

[illegible], [illegible]

"The Constant of [illegible] to an Electric Stimul[illegible] Under Conditions of 24-hour Dark Ada[illegible]tation"
<u>Probl. Fiziol. Optiki</u>, [illegible], [illegible], pp 2[illegible]-3[illegible]

Sensitivity of the eye to [illegible]ht and electric stimul[illegible] [illegible] dark adaptation was studied un[illegible] conditions of hypoxemi[illegible] corresp[illegible]n[illegible] to a 5000-meter elevation. The speed of [illegible] adaptation increased during the first minute of hypoxemia but then remained [illegible] a c[illegible]ar[illegible]teristic level. Apparently the degree of hypoxemia which affects the [illegible] higher divisions of the brain has only a weak effect on the area of the second n[illegible]on of the retina. (RZh[illegible]ol, No 5, Oct 54)

SO: Sum. 492, 12 May 55

PREOBRAZHENSKIY, V.V. (Moskva)

Diagnosis and treatment of eye diseases; on the basis of foreign literature. Vest. oft. 70 no.1:48-59 Ja-F '57 (MLRA 10:5)
(EYE DISEASES
diag. & ther., review (Rus))

PREOBRAZHENSKIY, V.V. (Moskva)

Chorioretinal burns from atomic bomb explosions; compiled from foreign literature. Vest.oft. 70 no.2:53-57 Mr-Ap '57. (MIRA 10:6)

(CHOROID, wds. & inj.
chorioretinal burns from atomic bomb explosions (Rus))
(RETINA, wds. & inj.
same)
(RADIATIONS, inj. eff.
same)

PREOBRAZHENSKIY, V.V. (Moskva)

Ocular changes in the syndrome of temporal arteritis; review of foreign literature. Vest.oft. 70 no.3:59-61 My-Je '57. (MLRA 10:8)
(ARTERITIS, compl.
tenoirakm caysubg icykar cgabgeam review)
(EYE, in various dis.
temporal arteritis, review)

1(2)
27(2)

SOV/177-58-1-18/25

AUTHORS: Borshchevskiy, I.Ya., Colonel of the Medical Corps, Candidate of Medical Sciences; Koreshkov, A.A., Colonel of the Medical Corps, Candidate of Medical Sciences; Markaryan, S.S., Major of the Medical Corps, Candidate of Medical Sciences; Preobrazhenskiy, V.V., Lieutenent-Colonel of the Medical Corps, Candidate of Medical Sciences; Terent'yev, V.G., Lieutenant-Colonel of the Medical Corps

TITLE: The Effect of the Vibrations of Certain Modern Helicopter and Aircraft Types on the Human Body (Vliyaniye na organizm cheloveka vibratsiy nekotorykh tipov sovremennykh vertoletov i samoletov)

PERIODICAL: Voyenno-meditsinskiy zhurnal, Nr 1, 1958, pp 74 - 77 (USSR)

ABSTRACT: The author reports on his examinations of persons tested by a type VP-70 vibration stand (Figure 1) which produces a single-component vertical vibration.

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The Effect of the Vibrations of Certain Modern Helicopter and Aircraft Types on the Human Body

By a special adjustment, vibrations reached a frequency of 10 to 70 hz and an amplitude of 0.2 - 2.5 mm. Four series of 3 tests each were performed. During the first two tests of each series, the person to be tested was subjected only to vibration and during the third test simultaneously to vibration and to a 105 to 110-decibel noise. Between tests there were intervals of 3 - 7 days. The data obtained have proved that vibrations with low frequencies and large amplitudes may disturb the pilot's visual orientation during flight and also negatively influence his ability to hit the target. The reactivity of the vestibular analyzer had noticeably increased. Hearing was impaired only by simultaneous vibration and noise effects. Vibrations with frequencies of 40 and 70 hz and amplitudes of 0.8 and 0.4 mm over periods of 4 and

The Effect of the Vibrations of Certain Modern Helicopter and Aircraft Types on the Human Body

8 hours, caused insignificant functional changes in the human organism. Vibrations with a frequency of 10 hz and an amplitude of 1.8 and 2.4 mm result in pronounced and permanent functional changes and cannot be recommended as physiologically permissible for the cockpits of helicopters and other aircraft. There is 1 photograph.

PREOBRAZHENSKIY, V.V.

Effect of intermittant and sudden action of luminous sources on night vision in man. Probl.fiziol.opt. 12:55-59 '58 (MIRA 11:6)
(NIGHT VISION)

PREOBRAZHENSKIY, V.V. (Moskva)

Methods of eye examination and treatment of certain eye diseases; review of foreign literature, 1956-1957. Vest.oft. 71 no.3:39-52 My-Je '58 (MIRA 11:9)

(EYE,
exam., methods & equipment, review (Rus))
(UVEITIS, ther.
review (Rus))
(GLAUCOMA,
diag. & conservative ther., review (Rus))

PREOBRAZHENSKIY, V.V. (Moskva)

Radiation therapy of eye diseases; review of foreign literature.
Vest.oft. 71 no.4:45-51 Jl-Ag '58 (MIRA 11:8)
(EYE DISEASES, ther.
radiother., review (Rus))
(RADIOTHERAPY, in various dis.
eye dis., review (Rus))

PREOBRAZHENSKIY, V.V.; ROSLAVTSEV, A.V.

Eighteenth International Congress of Ophthalmology. Vest.oft. 72 no.1:38-59 Ja-F '59. (MIRA 12:2)
(BRUSSELS--OPHTHALMOLOGY--CONGRESSES)

ACCESSION NR: AT4042654 S/0000/63/000/000/0063/0065

AUTHOR: Baranovskiy, V. V.; Meyer, L. N.; Preobrazhenskiy, V. V.

TITLE: Day and night threshold contrasts and brightnesses affecting object visibility

SOURCE: Konferentsiya po aviatsionnoy i kosmicheskoy meditsine, 1963. Aviatsionnaya i kosmicheskaya meditsina (Aviation and space medicine); materialy* konferentsii. Moscow, 1963, 63-65

TOPIC TAGS: contrast sensitivity, visual analyzer, threshold contrast, daylight, nightlight, object visibility

ABSTRACT: One of the characteristics of the visual analyzer in determining the visibility of objects is its contrast sensitivity. The ability of the eye to discern minimum differences in the brightness of an object and its background depend upon angular dimensions, the form of the object, the brightness of the surrounding background, and the time of day the object is observed. To test this effect, 70 observers with sharp visual acuity were selected and trained to determine the visibility of objects during their appearance and disappearance in a

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ACCESSION NR: AT4042654

visual field. Threshold contrasts for objects more than 20 minutes in angular size were from 0.04 to 0.06 corresponding to the appearance or disappearance of object visibility against a daylight sky background. The practical moment of object differentiation at night might be obtained if threshold brightness were doubled during an unlimited period of observation.

ASSOCIATION: none

SUBMITTED: 27Sep63 ENCL: 00 SUB CODE: LS

NO REF SOV: 000 OTHER: 000

Card 2/2

KHEYFETS, L.A., PREOBRAZHENSKAYA, Ye.A.; BEZUGLYY, V.D.

Polarographic study of polycyclic aromatic ketones. Part 2: Polarography of benzanthrone in 70% methanol. Zhur. ob. khim. 35 no.10:1703-1707 O '65. (MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov.

POPOVA, L.; BUSH, G., inzh.; BARANOVA, P.; KUZNETSOV, P.; MER, N.; LADYGIN, A.; PREOBRAZHENSKIY, Yu.; STEPANOV, V.; BELINSKENE, A.; SHUBIN, V.; SEROV, K.; MAMYAN, K.

From speeches at a conference in Riga. Izobr.i rats. no.4:6-9 Ap '62. (MIRA 15:4)

1. Uchenyy sekretar' nauchno-metodicheskogo soveta po rabote narodnykh universitetov kul'tury Pravleniya Vsesoyuznogo obshchestva po rasprostraneniyu politicheskikh i nauchnykh znaniy (for Popov). 2. Rizhskiy myasokonservnyy kombinat (for Bush). 3. Predsedatel' L'vovskogo dorozhnogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Baranova). 4. Prorektor universiteta tekhnicheskogo tvorchestva Amurskoy oblasti (for Kuznetsov). 5. Glavnyy inzh. lokomotivnogo depo Moskva-Sortirovochnaya, zamestitel' rektora narodnogo universiteta (for Mer). 6. Predsedatel' soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov Novo-Kramatorskogo mashinostroitel'nogo zavoda (for Ladygin). 7. Predsedatel' Litovskogo respublikanskogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Belinskene). 8. Zamestitel' dekana universiteta tekhnicheskogo tvorchestva pri Leningradskom Dvortse kul'tury imeni Kirova (for

(Continued on next card)

POPOVA, L. — (Continued) Card 2.

Shubin). 9. Obshchestvennyy rektor universiteta novoy tekhniki pri Vsesoyuznom zaochnom institute inzhenerov transporta, Moskva (for Serov). 10. Obshchestvennyy direktor Kirovakanskogo instituta tekhnicheskogo tvorchestva molodykh ratsionalizatorov (for Manyan). 11. Obshchestvennyy direktor Kiyevskogo universiteta po povysheniyu tekhnicheskikh znaniy izobretateley i ratsionalizatorov (for Stepanov). 12. Obshchestvennyy rukovoditel' Bashkirskogo instituta novatorov stroitel'noy industrii (for Preobrazhenskiy).
(Riga—Technical education—Congresses)

PREOBRAZHENSKIY, Yu.A.; ZHDANOV, G.S.

Economic efficiency of casting with the use of melted-out models.
Avt. prom. no. 7:4-5 Jl '58. (MIRA 11:8)

1. NIITAvtoprom.
(Molding(Founding))

KOROTKOV, A.I.; PREOBRAZHENSKIY, Yu.A., otv.za vypusk; BAKAKIN, P.I., red.; GRAKOVA, Ye.D., tekhn.red.

[Technology of casting in shell molds; a guide] Tekhnologiia lit'ia v obolochkovye formy; rukovodiashchie materialy. Moskva, Otdel tekhn.propagandy, 1958. 62 p.

(MIRA 13:12)

1. Moscow. Nauchno-issledovatel'skiy institut tekhnologii avtomobil'noy promyshlennosti.

(Shell molding (Founding))

S/128/61/000/001/002/009
A054/A133

AUTHORS: Preobrazhenskiy, Yu. A., and Yefimov, I. R.

TITLE: The investment foundry

PERIODICAL: Liteynoye proizvodstvo, no. 1, 1961, 3-6

TEXT: A new foundry was put into operation at the Minsk avtomobil'nyy zavod (Minsk Automobile Plant) with a rated output of 1,000 t/year, producing parts weighing on an average 180 g each in large quantities. The operations are largely mechanized and automated. The pattern mixture (a paste of 30 % stearin and 70 % paraffin, with a smelting temperature of 42°C) is produced on a multi-position press (Fig. 1), consisting of a 180-l melting container, a volumetric container, two 15-l capacity mechanical mixers, a mixture receptacle, oil conduit, sprinkler, two ten-position rotary machines, with dies, pump and conveyor. The pattern is made of 80 % reclaimed pattern material and of 20 % fresh mixture. The machine works continuously and automatically. The mixture is fed pneumatically into the die in the first position of the machine at a temperature of 80°C and passes into the next position at 55°C. All operations are controlled by a limit switch, synchronized

Card 1/7

The investment foundry

with the revolving machine. Constant temperature is maintained by contact thermometers. The output of the mixture equipment is 60 kg/h, that of the press 360 units/h. The pressure in the pneumatic system is 4 atm; power: 49.7 kw, water consumption 6 cu m/h, air consumption 10 cu m/h. Compact blocks, 400 mm in height are formed by the assembly machine (Fig. 2), so that they are ready for further processing. Next the blocks are attached to a conveyor which takes them to the coating machine where refractory material is applied. The refractory mixture is prepared in a jacketed container. The best refractory mixture is obtained at a ratio of 1 mole of ethyl ether to 1 mole of water the coating being subsequently dried in ammonia medium. The output is 50 l refractory mixture/h. The refractory mixture is then fed into a semi-automatic machine where the pattern blocks are coated. The main parts are three levers which position the block to be coated and sprinkled by sand, after which the block is discharged from the machine. Sand is sprinkled from a height of 400 mm and during sprinkling the block is moved in two perpendicular directions in order to undergo a thorough coating. The output of the machine is 120 - 180 blocks/h. Coating is repeated 3 - 4 times, each layer being dried in a chamber supplied with a suspension conveyor. The capacity of the drying chamber is 60 blocks/h, the conveyor speed: 20 m/h,

Card 2/7

The investment foundry

the chamber will take 630 blocks at the same time. The sectors where the patterns are produced, refractory-coated and dried are isolated and air-conditioned. The metal stand pipe is removed from the block after it is detached from the conveyor where the last refractory coating is dried. The smelting chamber is a welded structure with heat-insulated walls, a vertical endless chain conveyor supplied with 33 rotating hooks; the blocks are attached to the conveyor at an angle of 30°, to ensure the unimpeded flow of the mixture. The complete cycle of the conveyor is 30 minutes. The hot air blast and circulation system ensure a temperature of 90 - 100°C in the lowest (loading) zone, 150°C in the middle and 180 - 200°C in the upper zone. The output of the smelting equipment is 66 blocks/h. The dispensed pattern blocks are next put into flasks, sprinkled with sand and delivered to the molding machine. The machine fills the mold boxes with sand up to 20 - 30mm, the sand layer is rammed by vibrators. From this machine the flasks are delivered by a gravity conveyor to the baking furnace, (T-240 Г = T-240 G type pusher furnace), loaded into the furnace and discharged mechanically. Baking takes 5 - 7 hours, at 900°C. In the same furnace, the quartz powder and the sand for sprinkling are also heated. This material is sieved through vibrating screens and then delivered to the refractory coating sector. Metal is

Card 3/7

The investment foundry

smelted in MGP-102 (MGP-102) type high-frequency induction furnaces, the operational cycle of which is easily synchronized with that of the baking furnaces. Metal is poured from suspended ladles, the cast molds are cooled on roller tables, while the hot air is intensively removed from the casing. At the end of the cooling conveyor, a pusher delivers the cooled flasks to the shaking equipment (a welded structure, consisting of a vibrator screen and a tilting drum). The output of the shaking equipment is 60 flasks/h. The clay is removed pneumatically, while the stand pipe is also removed from the casting, at the same time. The output of the shaking machine is 50 blocks/h. At the Minsk Plant the standpipes are removed by a special press. The unit is provided with two cylinders, the upper applying a force of 25, the lower of 10 tons. The treatment of one block takes 20 - 30 seconds. Some castings are removed from the standpipe by a horizontal milling machine. Leaching and normalization are carried out by an installation which also contains a bath for preparing the alkaline solution. The castings are kept in the bath at 200 - 230°C for one hour (in a 65-% KOH-solution). The process is promoted by intensive stirring. Then the castings are cleaned with water (70 - 90°C), and dried in a chamber at 300 - 400°C, then heat-treated at 910 - 920°C in a

Card 4/7

The investment foundry

salt bath, consisting of 80 % ash of soda, 20 % table salt and 6 % carborundum and finally cooled isothermically (at 420 - 430°C). The output of the leaching-normalizing equipment is 300 kg/h. The foundry produces 1,080 tons of castings annually, the workshop has a floor space of 1,024 sq m, the productive area is 683 sq m, labor- 116 workers, production per sq m- 1.05 t/year, for 1 sq m of productive area- 1.38 t/year, output per worker- 12.0 t/year. Average man-hours required for 1 ton- 98, average cost per ton- 537.7 rubles. There are 7 figures.

Card 5/7

S/128/61/000/001/002/009
A054/A133

The investment foundry

Figure 7:

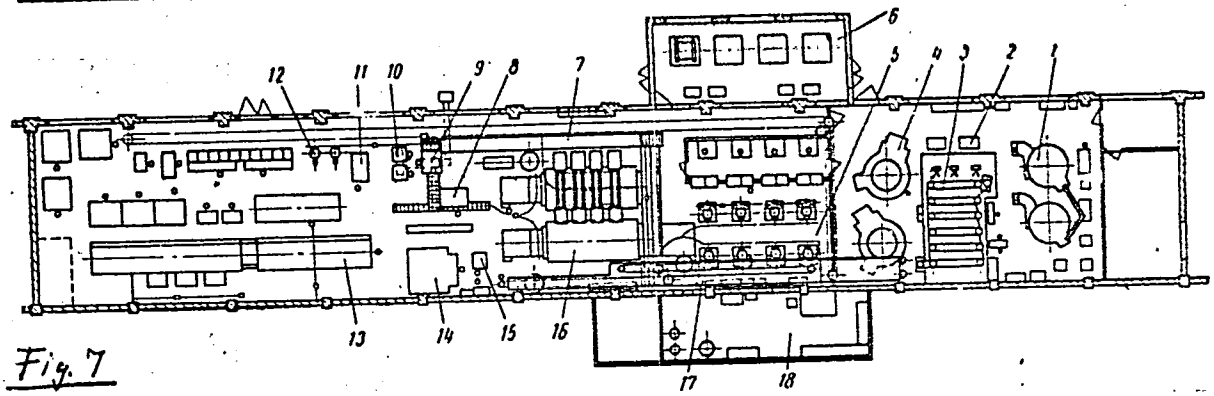


Fig. 7

Card 6/7

The investment foundry

S/128/61/000/001/002/009
A054/A133

Figure 7: (continued)

Outlay of the foundry:

1 - automatic for producing low-melting patterns;
2 - automatic for preparing refractory coatings;
3 - block drying conveyor;
4 - refractory coating semi-automatic;
5 - smelting section;
6 - generator;
7 - cooling conveyor;
8 - molding machine;
9 - shaking machine;
10 - clay removing machine;
11 - press for removing the stand pipe from the castings;
12 - marshalite screen;
13 - leaching and normalizing assembly;
14 - pattern smelting cabinet;
15 - stand pipes cleaning assembly;
16 - baking furnace;
17 - conveyor for drying the blocks with the last coating;
18 - charge material section.

Card 7/7

SOV/137-57-1-795

Translation from: Referativnyy zhurnal. Metallurgiya, 1957, Nr 1, p 102 (USSR)

AUTHOR: Preobrazhenskiy, Yu. A.

TITLE: Mechanized "Lost-wax" (Investment)Casting (Mekhanizirovannyy protsess lit'ya po vyplavlyayemym modelyam)

PERIODICAL: Tekhnol. avtomobilestroyeniya, 1956, Nr 1, pp 9-17

ABSTRACT: The paste-like pattern mixture consisting of stearin, paraffin, and 6-9% of crutched-in air is centrally prepared on an automatic machine with a 1000-1200 kg per-shift capacity. Models in the form of links with gates and a portion of the riser are produced by an automatic die-casting machine similar to a pressure-casting machine. The "Xmas trees" are assembled on a metal riser by stringing of individual pattern links. The hydrolyzed ethylsilicate solution and the refractory coating are prepared in 30-liter drums located separately from the production flow. Three baths with refractory coating and three sand-pouring hoppers are placed consecutively in the production line. After each coating and sand-dusting the "Xmas trees" suspended on a conveyer are carried into an 18-20°C dryer, where they remain for 2.5 hours. From the dryer

Card 1/2

Mechanized "Lost-wax" (Investment) Casting

the "trees" are manually placed into a 130-150° oven for melting out the patterns. The melting-out time is 15-18 min. The melted-out pattern mixture is purified and is fed back in the liquid state to be reused, while the "trees" arrive at a molding table having a capacity of 1000 flasks per shift, where they are covered with dry sand, three per flask. The sand is compacted by vibrators. The flasks are calcined at 900° in T240-B type furnaces for 2-2.5 hours. The calcined flasks are filled on a conveyer and then cooled to 300-400°. After the "trees" are broken out they are carried on a suspension conveyer onto vibration machines for cleansing from the ceramic material and removal of risers. The castings are then pickled, normalized, carburized, washed, and treated with Na nitrate for prevention of corrosion in special baths. After drying, the castings are stored. On the basis of technological process described, a shop with a capacity of 2000 ton castings per year will be built at the Podol'sk Machine Plant and (according to preliminary calculations) this process will decrease the cost of one ton of precision casting to 3,000 - 4,000 rubles. The production per m^2 of working area will attain 1.5-2 tons.

Ya. M.

Card 2/2

AUTHOR: Preobrazhenskiy, Yu.A., Zhdanov, G.S. 113-58-7-2/25

TITLE: The Economy of Smelt-Model Casting (Ob ekonomike lit'ya po vyplavlyayemym modelyam)

PERIODICAL: Avtomobil'naya promyshlennost', 1958, Nr 7, pp 4-5 (USSR)

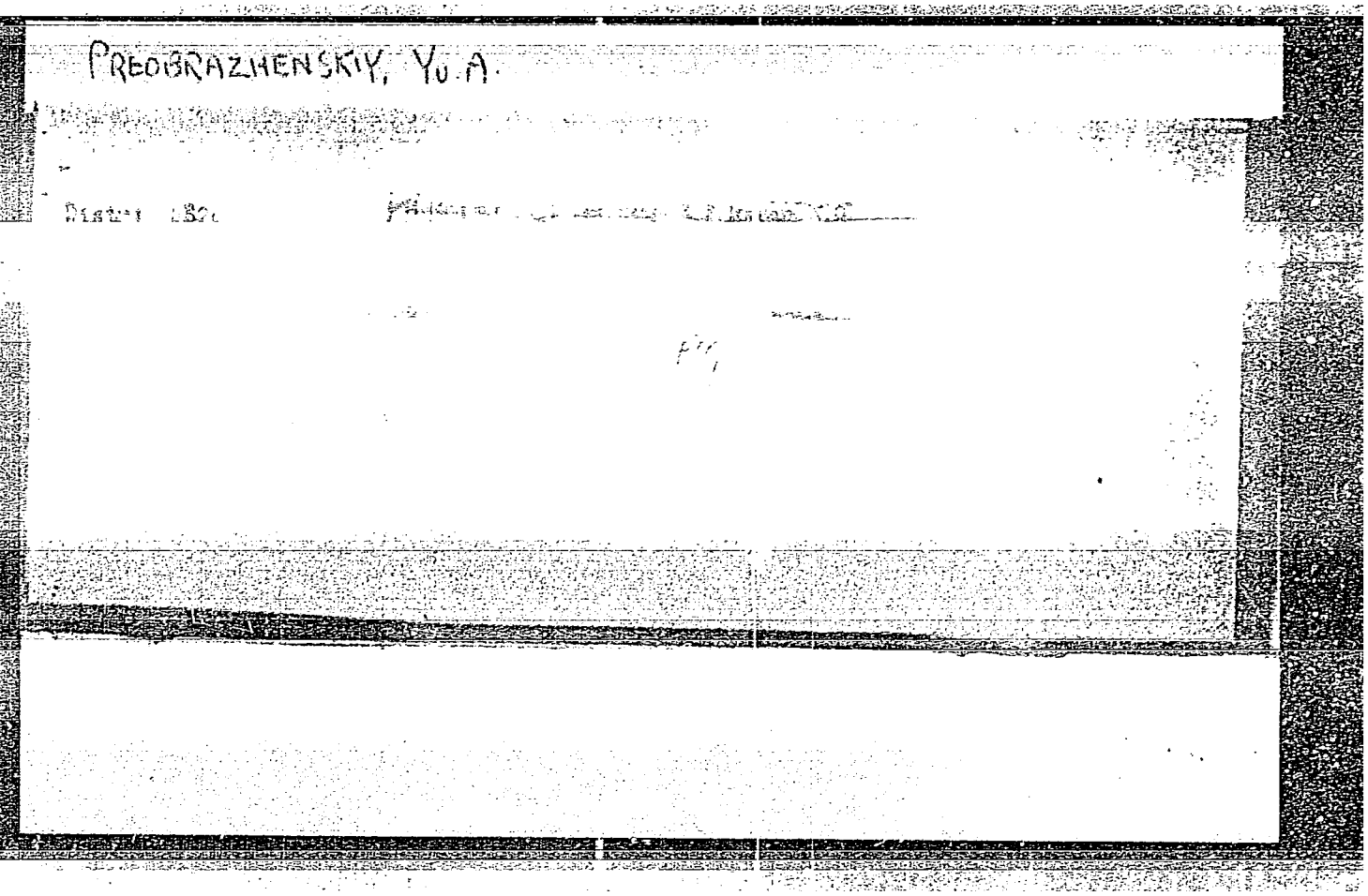
ABSTRACT: In 1956, NIITAvtoprom established a catalogue of 500 individual parts used in automobile, motorcycle and bicycle production. Reduction of this list to 175 parts is possible by a very accurate method of evaluation. First, the parts are grouped by weight, intricacy and design, and the possibility of reducing the amount of mechanical machining is considered. Accurate casting to desired shape must then be effected wherever it is possible. The economy obtained by smelt-model casting of rocker arm yokes is demonstrated in a table. In the automobile building industry, this economy, by the smelt-model casting process, applies to forgings and rolled iron parts of up to 350 grams, which are later subjected to machining by cutting. 'In most cases, a transfer of parts made of machined rods to automats or semi-automats does not pay. The introduction of shell casting in the Moskovskiy zavod malolitrazhnykh avtomobiley (Moscow Light Car Plant) has resulted in a reduction of operators and a diminished consumption of electric

Card 1/2

power. There is 1 table.

ASSOCIATION: NIITAvtoprom (NIITAvtoprom)

1. Metals--Casting 2. Castings--Economic aspects



SOKOL, I.B.; YEVSEYEV, A.S.; PREOBRZHENSKIY, Yu.A.

Principles of organization for mechanized founding according to cast patterns. Lit. proizv. no.8:8-13 Ag'55. (MLRA 8:11)
(Podolsk--Machinery industry) (Foundry machinery and supplies)

PREOBRAZHENSKIY, Yu.B., kandidat meditsinskikh nauk

Anniversary session of the Leningrad Scientific Research Institute of Ear, Nose, Throat, and Speech Diseases. Vest.oto-rin. 18 no.4: 87-92 Jl-Ag '56. (MLRA 9:9)
(OTORHINOLARYNGOLOGY)

PREOBRAZHENSKIY, Yu.B., kandidat meditsinskikh nauk

Laryngeal cancer complicated by bilateral laryngocele. Vest. oto-rin. 19 no.2:115-116 Mr-Ap '57. (MLRA 10:6)

1. Iz kliniki bolezney ukha, gorla i nosa (dir. - prof. A.G. Likhachev) I Moskovskogo meditsinskogo instituta.

(LARYNX, neoplasms
with bilateral laryngocele (Rus))

PREOBRAZHENSKIY, Yu.B., kand.med.nauk

Use of a biological antiseptic tampon in myringoplasty; experimental data. Vest.otorin. 21 no.4:24-30 Jl-Ag '59. (MIRA 12:10)

1. Iz kliniki bolezney ukha, gorla i nosa (dir. - prof.A.G. Likhachev) i TSentral'noy nauchno-issledovatel'skoy laboratorii (zav. A.S.Chechulin) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(TYMPANIC MEMBRANE surg.)
(TRANSPLANTATION exper.)

PREOBRAZHENSKIY, Yu.B.

[Adenoids in children] Adenoidy u detei. Moskva, Medgiz, 1956.
16 p. (MLRA 10:6)
(NASOPHARYNX--ADENOID VEGETATIONS)

PREOBRAZHENSKIY, Yu. B., kand. med. nauk

Experience with the use of a preserved dura mater flap in tympanoplasty. Vest. otorin. no.4:60-66 '61. (MIRA 15:2)

1. Iz kliniki bolezney ukha, gorla i nosa (dir. - zasluzhennyy deyatel' nauki prof. A. G. Likhachev) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I. M. Sechenova.

(DURA MATER--TRANSPLANTATION)
(TYMPANIC MEMBRANE--SURGERY)

PREOBRAZHENSKIY, YU. B.

20151 PREOBRAZHENSKIY, YU. B. Ostryye stenozy gortani u detey. Fel'dsher i akusherka, 1949, No. 6, s. 51-54.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949

PREOBRAZHENSKIY, YU. P.

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Cand. Med. Sci., Chair. of Operative Surgery with Topographical Anatomy; LOR Clin. II, Mosc. Med. Inst. im. I. V. Stalin. -c1949-.

PR[illegible]ODRAZHENSKIY, YU. B.

"Case of Sarcoma of the Left Palatine Tonsil with Atypical Course", Vest. Oto-rino-laringol, No. 4, 1948, ORL Clinic im. Hon. Worker of Sci, Prof. Sverzhevskiy, Second Moscow Med. Inst. IM. I. V. Stalin. -c1948-.

PREOBRAZHENSKIY, Yu. B.

"Acute Laryngeal Stenosis in Children," Fel'dsher i Akusher., No. 6, 1949.

Cand. Med. Sci.

PREOBRAZHENSKIY, Yu.B., kandidat meditsinskikh nauk.

Extraction of bronchial foreign bodies with the aid of direct laryngoscopy. Vest.oto-rin. 16 no.1:57-60 Ja-F '54. (MLRA 7:3)

1. Iz kliniki bolezney ukha, gorla i nosa (direktor - professor I.I.Shcherbatov) pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta im. I.V.Stalina i oto-laringologicheskogo otdeleniya detskoy klinicheskoy bol'nitsy im. N.F.Filatova.
(Bronchi--Foreign bodies) (Laryngoscope and laryngoscopy)

PREOBRAZHENSKIY, Yu.B., kandidat meditsinskikh nauk; SHCHERBATOV, I.I., professor, direktor.

Case of lengthy retention of a foreign body in the respiratory tracts. Pediatriia no.3:69-71 My-Je '53. (MLRA 6:8)

1. Klinika bolezney ukha, nosa i gorla pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.
(Respiratory organs--Foreign bodies)

PREOBRAZHENSKIY, Yu.B., kandidat meditsinskikh nauk (Moscow).

Parenchymatos tonsillitis and peritonsillar abscess. Fel'd. i akush. no.6:41-46 Je '53. (MLRA 6:7)

(Tonsils--Diseases) (Throat--Abscess)

PREOBRAZHENSKIY, Yu. B.

Results of local penicillin application by means of injections into the tympanic space in treatment of suppurative acute otitis in children. Vest.otorinolar. 13 no.1:22-26 Jan-Feb 51. (CLML 20:5)

1. Candidate Medical Sciences. 2. Of the Pediatrics Branch (Head--Docent S.I.Vul'fson) of the Clinic for Diseases of the Ear,Throat, and Nose (Director--Honored Worker in Science Prof.B.S.Preobrazhenskiy), Second Moscow Medical Institute imeni I.V.Stalin, attached to the Hospital imeni N.Filatov (Head Physician--V.V. Kvyatnitskaya).

PREOBRAZHENSKIY, Yu.B., kand.med.nauk

Atypically growing laryngocele. Zhur. ush., nos. i gorl. bol. 21 no.2:46-50 Mr-Ap '61. (MIRA 14:6)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - zasluzhennyy deyatel' nauki prof. A.G. Likhachev) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(LARYNX--TUMORS)

PREOBRAZHENSKIY, Yu. B.

Results of local penicillin application by means of injections into the tympanic space in treatment of suppurative acute otitis in children. Vest.otorinolar. 13 no.1:22-26 Jan-Feb 51. (CLML 20:5)

1. Candidate Medical Sciences. 2. Of the Pediatrics Branch (Head--Docent S.I.Vul'fson) of the Clinic for Diseases of the Ear,Throat, and Nose (Director--Honored Worker in Science Prof.B.S.Preobrazhenskiy), Second Moscow Medical Institute imeni I.V.Stalin, attached to the Hospital imeni N.Filatov (Head Physician--V.V. Kvyatnitskaya).

PREOBRAZHENSKIY, Yu.B., dotsent

Spontaneous tympanoplasty. Zhur.ush.,nos. i gorl. bol. 23. no.2:19-23 Mr-Ap'63. (MIRA 16:8)

1. Iz kliniki boelzeny ukha, gorla i nosa (direktor -zasluzhennyy deyatel' nauki prof. A.G.Likhachev) 1-go Miskovskogo ordena Lenina meditsinskogo instituta.

(TYMPANAL ORGAN--SURGERY)

VOZNESENSKIY, A.N., prof.; VOL'FKOVICH, M.I., prof.; GESHELIN, A.I., prof.[deceased]; GORDYSHEVSKIY, T.I., prof.; YERMOLAYEV, V.G., prof.; ZARITSKIY, L.A., prof.; KOTS, L.Ya., prof.; LIKHACHEV, A.G., zasl. deyatel' nauki prof.; PROSKURYAKOV, SHUL'GA, A.O., prof.; NEYMAN, L.V., prof., red.; SHCHERBATOV, I.I., prof., red. doma; TIKHOMIROVA, G.I., red.; PREOBRAZHENSKIY, Yu.B., red.; CHULKOV, I.F., tekhn.red.

[Multivolume manual on otorhinolaryngology] Mnogotomnoe rukovodstvo po otorinolaringologii. Otv. red. A.G.Likhachev. Moskva, Medgiz. Vol.4. [Diseases of the upper respiratory tract] Zabolevaniia verkhnikh dykhatel'nykh putei. Red. toma L.V.Neiman. i I.I.Shcherbatov. 1963. 518 p. (MIRA 17:3)

1. Chlen-korrespondent AMN SSSR (for Likhachev).

PREOBRAZHENSKIY, Yu.B., kandidat meditsinskikh nauk.

Pathogenesis of recurrent otogenous leptomeningitis. Vest. oto-rin. 17 no. 5:51-56 S-O '55. (MLRA 9:2)

1. Iz kliniki bolezney ukha, gorla, i nosa (dir. prof. A.G. Likhachev) i Moskovskogo ordena Lenina meditsinskogo instituta.

(MENINGITIS,
leptomeningitis, otogenous recur.)
(EAR, diseases,
causing leptomoningitis)

PREOBRAZHENSKIY, Yuriy Borisovich

[First aid in injuries and diseases of ear, throat, and nose] Neotlozhnaia pomoshch' pri povrezhdeniiakh i zabolevaniiakh ukha, gorla i nosa. Moskva, Medgiz, 1959. 95 p. (MIRA 12:6)
(OTORHINOLARYNGOLOGY)
(FIRST AID IN ILLNESS AND INJURY)

PREOBRAZHENSKIY, Yu.N., inzhener.

Portable power generators. Put' i put.khoz. no.6:24-25 Je '57.
(MLRA 10:7)

(Electric generators)

SHKABEL'NIKOV, Gennadiy Petrovich; KHARITONOV, M.F., inzh., retsenzent; PREOBRAZHENSKIY, Yu.N., inzh., red.; USENKO, L.A., tekhn. red.

[Dismountable railroad motorcars] S"emnye motodreziny. Moskva, Transzheldorizdat, 1963. 226 p. (MIRA 16:5)
(Railroad motorcars)

PREOBRAZHENSKIY, Yu. N., inzhener.

New electric equipment for track maintenance. Put' i put. khoz. no.1:18-20 Ja '57. (MLRA 10:4)
(Railroads--Tools and implements)

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Conference and seminar on the exchange of designing experiments and erection of pile-driven foundations. Osn., fund. i mekh. grun. 5 no.5:29-30 '63. (MIRA 16:10)

PREOBRAZHENSKIY, Yu. V.

Current problems in tympanoplasty. Vest. otorin. no.3:96-101 '61.
(MIRA 14:12)

(TYMPANIC MEMBRANE—SURGERY)

PREOBRAZHENSKIY, Yu. V.

DECEASED

1 963/1

c. 1962

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PREOTESCU, O.

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PREOTESCU, O., Rozeanu, L.

Considerations on the wear of friction ensembles while they are running. p. 85. (STUDII SI CERCETARI DE MECANICA APLICATA. Vol. 8, no. 1, Jan/Mar. 1957 Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957, Uncl.

PREOTESCU, O.; ROZAŞANU, L.

Classification of motor lubricants according to viscosity, p. 401. Academia Republicii Populare Romine. Institutul de Mecanica Aplicata. STUDII SI CERCETARI DE MECANICA APLICATA. Bucuresti. Vol. 6, no. 3/4, July/Dec. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

PRICOPESCU, O.

Some aspects of the utilization of lubricant oils of inferior standards. P. 107 STUDII SI CERCETARI DE MECANICA APLICATA Bucuresti. Vol. 6, no. 1/2, Jan.June. 1956

SOURCE: EEAL LC Vol. 5, no. 7, July 1956

PREOTESCU, O.

Determinarea şi Utilizar ... Parametrilor de Caracteri... lor. ... Cerc. ... 63-80. In Rumanian. Determination and application of characteristic parameters defining the viscosity of lubricants.

2

EWT(1) IJP(c) AT

ACC NR: AP6025961 SOURCE CODE: UR/0051/66/021/001/0101/0104

AUTHOR: Prepelitsa, B. V.

ORG: none

TITLE: Theory of single-charge donor impurity centers

SOURCE: Optika i spektroskopiya, v. 21, no. 1, 1966, 101-104

TOPIC TAGS: electron donor, Schroedinger equation, Hamiltonian, spin orbit coupling, impurity center

ABSTRACT: The energies of the wave functions of shallow single-charge donor states 1s, 2s, 2p in Si and Ge are determined by means of the mass method and the variational method. The Schroedinger equation is solved by transforming the initial Hamiltonian into one consisting of terms corresponding to those in the hydrogenic problem and terms accounting for the anisotropy of the isoenergy surfaces. The two kinds of terms point to the idea that ordinary hydrogenic functions, supplemented by the anisotropy factor, can be used because matrix elements can be calculated easily with these functions. The spin-orbital interaction and the interaction of impurity centers are ignored. The energies of a single-charge impurity center for Si and Ge, calculated by the effective-mass method, are presented in a table. The authors thank A. G. Cheban for stating the problem, P. T. Oush for assisting in the calculations, and I. Zher and

Card 1/2

UDC: 548.0 : 620.192.01

L 08876-67

ACC NR: AP6025961

P. K. Kacan for valuable advice. Orig. art. has: 1 table, 9 formulas.

SUB CODE: 20/ SUBM DATE: 20Aug65/ ORIG REF: 000/ OTH REF: 006

Card 2/2

CZECHOSLOVAKIA

I. PREROVSKA and J. SRBOVA, Occupational Medicine Clinic (Klinika nemoci z povolani,) Head (prednosta) Prof Dr J. TEISINGER, Prague.

"Biochemical Changes in the Serum of Persons Exposed to Carbon Disulfide with Particular Regard to Atherosclerosis."

Prague, Pracovni Lekarstvi, Vol 15, No 1, Jan 1963; pp 25-30.

Abstract [English summary modified] In rabbits, CS_2 at levels of industrial exposure increased cholesteremia and beta-lipoproteins, decreased albumin: globulin ratio, caused no vascular changes, and did not affect (dietary) cholesterol atheromatosis in these experimental animals. In 50 men of average age 31 (deliberately kept low to exclude degenerative vascular changes) and exposed for an average of 3.75 years to 200 gamma/liter of air and compared with controls, both the total cholesterol and the macromolecular lipoproteins were high, fatty acids binding capacity of serum was low in direct proportion to duration of exposure. Two tables, 7 diagrams; 9 Czech and 16 Western references.

1/1

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"Methods followed in the reconstruction of the ruined piers of dynamited Danubian bridges" p. 292, (MELYEPITESTUDOMANYI SZEMLE, Vol. 3, no. 6, June 1953, Budapest, Hungary)

SO: Monthly List of East European Accession, L·C., Vol. 2, No. 11, Nov. 1953, Uncl.

PREPELICZAY, Gyorgy; ZENTAI, Zoltan

Plastic-coated thin sheet metal plates. Magy ep ipar 11 no.10:460-462 '62.

ZINGER, Kh.M.; SANDLER, F.S.; PREPELITSKAYA, A.M. [Prepelyts'ka, A.M.]; RUDI, V.P.

Use of polyacrylamides in the textile industry. Leh.prom. no.3:17 Je - Ag '62. (MIRA 16:2)

1. Chernovitskiy tekstil'nyy kombinat (for Zinger, Sandler, Prepelitskaya).
2. Chernovitskiy gosudarstvennyy universitet (for Rudi).

(Textile finishing) (Acrylamides)

POKATILOV, Ye.P.; PREPELITSA, B.V.

Effect of shielding on the electroacoustic effect in semiconductors with a single kind of current carriers. Trudy po fiz. poluprov. no.1:15-18 '62. (MIRA 16:11)